

38-21(15546) Nov 13 2003.ST25.txt
SEQUENCE LISTING

<110> Seale, Jeffrey W.
Vordtriede, Paul B.

<120> Amino Acid Sequence Variant Alfalfa Antifungal Protein and Its Use in Plant Disease Control

<130> 38-21(15546)

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 135

<212> DNA

<213> Medicago sativa

<220>

<221> CDS

<222> (1)..(135)

<223>

<400> 1

aga	aca	tgt	gag	aat	ttg	gca	gat	aaa	tat	agg	gga	cca	tgc	ttt	agt	48
Arg	Thr	Cys	Glu	Asn	Leu	Ala	Asp	Lys	Tyr	Arg	Gly	Pro	Cys	Phe	Ser	
1			5						10					15		

ggt	tgt	gac	act	cac	tgc	aca	acc	aaa	gag	aac	gca	gtt	agt	gga	agg	96
Gly	Cys	Asp	Thr	His	Cys	Thr	Thr	Lys	Glu	Asn	Ala	Val	Ser	Gly	Arg	
			20					25					30			

tgt	agg	gac	gac	ttc	cgc	tgc	tgg	tgt	act	aaa	aga	tgt				135
Cys	Arg	Asp	Asp	Phe	Arg	Cys	Trp	Cys	Thr	Lys	Arg	Cys				
		35					40					45				

<210> 2

<211> 45

<212> PRT

<213> Medicago sativa

<400> 2

Arg Thr Cys Glu Asn Leu Ala Asp Lys Tyr Arg Gly Pro Cys Phe Ser
1 5 10 15

Gly Cys Asp Thr His Cys Thr Thr Lys Glu Asn Ala Val Ser Gly Arg
20 25 30

Cys Arg Asp Asp Phe Arg Cys Trp Cys Thr Lys Arg Cys
35 40 45

<210> 3

<211> 135

<212> DNA

<213> Artificial Sequence

<220>

<223> AlfAFP1 D8R

<220>

<221> CDS

<222> (1)..(135)

<223> AlfAFP1 D8R

<400> 3

aga aca tgt gag aat ttg gca aga aaa tat agg gga cca tgc ttt agt 48
Arg Thr Cys Glu Asn Leu Ala Arg Lys Tyr Arg Gly Pro Cys Phe Ser
1 5 10 15

ggt tgt gac act cac tgc aca acc aaa gag aac gca gtt agt gga agg 96
Gly Cys Asp Thr His Cys Thr Thr Lys Glu Asn Ala Val Ser Gly Arg
20 25 30

tgt agg gac gac ttc cgc tgc tgg tgt act aaa aga tgt 135
Cys Arg Asp Asp Phe Arg Cys Trp Cys Thr Lys Arg Cys
35 40 45

<210> 4

<211> 45

38-21(15546) Nov 13 2003.ST25.txt

<212> PRT

<213> Artificial Sequence

<220>

<223> AlfaFP1 D8R

<400> 4

Arg Thr Cys Glu Asn Leu Ala Arg Lys Tyr Arg Gly Pro Cys Phe Ser
1 5 10 15

Gly Cys Asp Thr His Cys Thr Thr Lys Glu Asn Ala Val Ser Gly Arg
20 25 30

Cys Arg Asp Asp Phe Arg Cys Trp Cys Thr Lys Arg Cys
35 40 45